

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (original): A portable radiation imaging system comprising:  
  
a radiation source; and  
  
a two dimensional radiation image detection device that records a radiation image by detecting the radiation emitted from said radiation source and is transmitted through a subject;  
  
wherein both said elements are structured to be carriable, further comprising  
  
an angular signal output means that outputs an angular signal which represents the degree of tilt of the radiation emitted from said radiation source in relation to the detection surface of said radiation image detection device; and  
  
a tilt adjustment means that adjusts said tilt of the radiation in relation to the detection surface of the radiation image detection device to become substantially perpendicular by changing the tilt angle of said radiation source based on said angular signal output from said angular signal output means.
2. (original): A portable radiation imaging system comprising:  
  
a radiation source; and  
  
a two dimensional radiation image detection device that records a radiation image by detecting the radiation emitted from said radiation source and is transmitted through a subject;  
  
wherein both said elements are structured to be carriable, further comprising:

an angular signal output means that outputs an angular signal which represents the degree of tilt of the radiation emitted from said radiation source in relation to the detection surface of said radiation image detection device; and

a tilt adjustment means that adjusts said tilt of the radiation in relation to the detection surface of the radiation image detection device to become substantially perpendicular by changing the tilt angle of said radiation image detection device based on said angular signal output from said angular signal output means.

3. (original): A portable radiation imaging system comprising:

a radiation source; and

a two dimensional radiation image detection device that records a radiation image by detecting the radiation emitted from said radiation source and is transmitted through a subject; wherein both said elements are structured to be carriable, further comprising;

a command means that generates an exposure command to said radiation source when the tilt of the radiation to be emitted from said radiation source in relation to the detection surface of said radiation image detection device is substantially perpendicular.

4. (original): A radiation imaging system according to any one of claim 1, 2, or 3 further comprising a portable shift means that enables horizontal movement of the radiation source.

5. (original): A radiation imaging system according to any one of claim 1, 2, or 3, further comprising a portable shift means that enables horizontal movement of the radiation image detection device.

6. (original): A two dimensional radiation image detection device capable of recording a radiation image equipped with an angular signal output means that outputs an angular signal which represents the degree of tilt of the radiation emitted from a radiation source in relation to the detection surface of said radiation image detection device.

7. (original): A two dimensional radiation image detection device capable of recording a radiation image equipped with a command means that generates an exposure command to the radiation source when the tilt of the radiation to be emitted by a radiation source in relation to the detection surface of said radiation image detection device is substantially perpendicular.

8. (previously presented): A radiation image detection device according to claim 6, wherein said device is portable.

9. (previously presented): A radiation image detection device according to claim 7, wherein said device is portable.

10. (previously presented): A radiation imaging system according to claim 1, wherein said image detection device comprises a stimutable phosphor sheet.

11. (previously presented): A radiation imaging system according to claim 2, wherein said image detection device comprises a stimutable phosphor sheet.

12. (previously presented): A radiation imaging system according to claim 3, wherein said image detection device comprises a stimutable phosphor sheet.

13. (previously presented): A radiation image detecting device according to claim 6, wherein said image detection device comprises a stimutable phosphor sheet.

14. (previously presented): A radiation image detecting device according to claim 7, wherein said image detection device comprises a stimutable phosphor sheet.

15. (previously presented): A radiation imaging system according to claim 1, wherein said image detection device is located at a distance from a subject being imaged.

16. (previously presented): A radiation imaging system according to claim 2, wherein said image detection device is located at a distance from a subject being imaged.

17. (previously presented): A radiation imaging system according to claim 3, wherein said image detection device is located at a distance from a subject being imaged.

18. (previously presented): A radiation image detecting device according to claim 6, wherein said image detection device is located at a distance from a subject being imaged.

19. (previously presented): A radiation image detecting device according to claim 7, wherein said image detection device is located at a distance from a subject being imaged.

20. (previously presented): A radiation imaging system according to claim 1, wherein said tilt adjustment means comprises screws or geared teeth.

21. (previously presented): A radiation imaging system according to claim 4, wherein said shift means comprises screws or geared teeth.

22. (previously presented): A radiation imaging system according to claim 1 comprising a scattered ray removal grid board adjacent to the radiation image detection device which prevents the occurrence of false images and enhances image reproducibility after radiation has been transmitted through a subject.

23. (previously presented): A radiation imaging system according to claim 2 comprising a scattered ray removal grid board adjacent to the radiation image detection device

which prevents the occurrence of false images and enhances image reproducibility after radiation has been transmitted through a subject.

24. (previously presented): A radiation imaging system according to claim 3 comprising a scattered ray removal grid board adjacent to the radiation image detection device which prevents the occurrence of false images and enhances image reproducibility after radiation has been transmitted through a subject.

25. (previously presented): A radiation image detecting device according to claim 6 comprising a scattered ray removal grid board adjacent to the radiation image detection device which prevents the occurrence of false images and enhances image reproducibility after radiation has been transmitted through a subject.

26. (previously presented): A radiation image detecting device according to claim 7 comprising a scattered ray removal grid board adjacent to the radiation image detection device which prevents the occurrence of false images and enhances image reproducibility after radiation has been transmitted through a subject.

27. (previously presented): A radiation imaging system according to claim 1, wherein said angular signal output means is an electronic level or a projection style angle sensor.

28. (previously presented): A radiation imaging system according to claim 2, wherein said angular signal output means is an electronic level or a projection style angle sensor.

29. (previously presented): A radiation image detecting device according to claim 6, wherein said angular signal output means is an electronic level or a projection style angle sensor.

30. (new): A radiation image detection device according to claim 6, wherein said device is carriable.

31. (new): A radiation image detection device according to claim 7, wherein said device is carriable.

32. (new): A portable radiation imaging system according to claim 1, wherein said angular signal output means is integral with said two dimensional radiation image detection device.

33. (new): A radiation imaging system according to claim 27, wherein said electronic level is integrally mounted on said two dimensional radiation image detection device.